1. Method for quickly producing read or write readiness of an apparatus for reading from or writing to an optical recording medium, the recording medium [(1)] having identification information items which individually identify the respective recording medium, comprising the steps of:

    a) detecting [the] identification information [items of] from [the] said recording medium [(1) after the latter has been inserted into the apparatus, in order]to identify the recording medium,

    b) checking [whether,] for a stored [the identified recording medium [(1)], at least one] adjustment parameter value [for operation of the apparatus is stored] in a storage means [(5, 8)], and

    c) reading [of the] said stored adjustment parameter value from [the] said storage means [(5, 8)], if the check made in said step b) is positive, and adjusting [the] said apparatus in accordance with [the] said adjustment parameter value read, to facilitate one of reading and writing [in order to be able to read from or write to a data area of the] to said recording medium [(1)].

2. Method according to Claim 1, [characterized in that in the case where the check made in] wherein said step b) is negative, [the] said apparatus is adjusted [in order to be able to read from or write to a data area of the optical recording medium (1), and afterwards, for the identified recording medium (1),] at least one adjustment parameter value [corresponding to the adjusted state of the apparatus] is stored in [the] said storage means [(5, 8)].

3. Method according to Claim 1, [characterized in that one of] wherein said storage means comprises a non-volatile

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memory [(5) of the apparatus and file stored on a non-volatile data carrier (8) is used as storage means].

4. Method according to Claim 3, **[characterized** in that the] wherein said non-volatile data carrier [(8)] is provided externally to the apparatus, and in that the content of the file of [the] said non-volatile data carrier [(8)] is accepted into a memory [(5)] which is provided in the apparatus and is accessed in said steps b) and c).

5. Method according to Claim 1, **[characterized** in that], wherein said [in] step a), a BCA data area of the optical recording medium [(1)] is read as identification information.

6. Method according to Claim 3, **[characterized** in that], wherein said [in] step a), a BCA data area of the optical recording medium [(1)] is read as identification information.

7. Apparatus for reading from or writing to an optical recording medium, comprising:

[the] a recording medium [(1)] having identification information items which individually identify the respective recording medium,

[the apparatus having] a detection means [(2)] for detecting [the] said identification information items of said [a] recording medium [(1)] that has been inserted into the apparatus,

[the apparatus having] a control means [(4)] for identifying [the] said recording medium [(1)] that has been inserted into the apparatus using [the] said detected identification information items, and for checking whether, for [the] said identified recording medium [(1)], at least one adjustment parameter value for operation of the apparatus is stored in a storage means [(5, 8)],

[the] said control means [(4)] being configured in such a way that, in the case where, for [the] said

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identified recording medium [(1)] an adjustment parameter value has been able to be identified in [the] _said_ storage means [(5, 8)], [the] said control means read [the] _said_ adjustment parameter value from [the] _said_ storage means [(5, 8)] and adjust write means or read means [(2)] of the apparatus in accordance with [the] _said_ adjustment

8. Apparatus according to Claim 7, **[characterized** in that the] _wherein said_ detection means are formed by the write means or read means [(2)].

9. Apparatus according to Claim 7, **[characterized** in that the] _wherein said_ control means [(4)] are configured in such a way that, in the case where, for the identified recording medium [(1)], it has not been possible to identify an adjustment parameter value in the storage means [(5, 8)], the said control means carry out an adjustment of the write means or read means [(2)] and, for the identified recording medium [(1)], store in the storage means [(5, 8)] at least one adjustment parameter value corresponding to the adjusted state of the write means or read means [(2)].

10. Apparatus according to Claim 7, **[characterized** in that the] _wherein said_ storage means comprise one of non-volatile memory [(5)] of the apparatus and non-volatile data carrier [(8)] provided externally to the apparatus.

11. Apparatus according to Claim 7, **[characterized** in that the] _wherein said_ detection means [(2)] are configured in such a way that they read a BCA data area of the recording medium [(1)] as the identification information items which individually identify the recording medium [(1)] that has been inserted into the apparatus.

12. Apparatus according to Claim 9, **[characterized** in that the] <u>wherein said</u> detection means [(2)] are configured in such a way that they read a BCA data area of the recording medium [(1)] as the identification information items which individually identify the recording medium [(1)] that has been inserted into the apparatus.

13. Apparatus according to Claim 7, **[characterized** in that the] <u>wherein said</u> apparatus is configured for reading from and/or writing to a DVD-ROM disc [(1)] as optical recording medium.

14. Apparatus according to Claim 9, **[characterized** in that the] <u>wherein said</u> apparatus is configured for reading from or writing to a DVD-ROM disc [(1)] as optical recording medium.

[Abstract

Method for quickly producing read and/or write readiness of an apparatus for reading from and/or writing to an optical recording medium, and correspondingly configured apparatus

In order to more quickly produce read and/or write readiness of an apparatus for reading from and/or writing to an optical recording medium, in particular a DVD-ROM disc, it is proposed to read or to detect identification features, such as, for example, the "BCA data area" which individually identifies the respective recording medium and, after identification of the respectively inserted optical recording medium, to check whether adjustment parameters for the write and/or read unit of the apparatus have already been stored beforehand for this optical recording medium in a storage device. If this is the case, the adjustment parameters can be read from the storage device and be used as start values for the adjustment of the write and/or read unit. On the other hand, if no adjustment parameters have been found for the identified recording medium

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in the storage device, a normal adjustment of the write and/or read unit is carried out, the resulting adjustment parameter values subsequently being stored in the storage device.]

Respectfully submitted,
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